

**Claims**

1. Arrangement for a plankton net, for collecting plankton-containing water from arbitrary ocean depths, with a net compartment (11) that can be lowered to a desired water depth and which has a closing member (17) that is arranged to enclose a collected amount of water, and where a sieving member (14) is attached to the net compartment for discharge of water, **characterized in** that it comprises a member (25), which is arranged to keep the inlet of the entrance of the net compartment (14) closed until sampling is to be conducted.
2. Arrangement according to claim 1, **characterized in** that the net compartment (11) has a plane intake aperture (13), and that at this intake aperture, an outer lid (17) is attached at an outer edge of the aperture by a hinge attached to a side of the outer edge, and with a holding mechanism (19, 21) for holding the outer lid in an open initial position the holding mechanism being arranged to be tripped remotely.
3. Arrangement according to claim 2, **characterized in** that the outer lid (17) is biased towards a closed position by a biasing member (22).
4. Arrangement according to claim 2 or 3, **characterized in** that it has an inner lid (25) placed on the inside of the outer lid (17) by hinged joint on a side edge (26) of the aperture of the net compartment (11), where the inner lid (25) is able to be opened inwards into the compartment, but is kept closed by a remotely releasable locking mechanism (30, 31).
5. Arrangement according to claim 4, **characterized in** that the inner lid (25) is biased towards the open, inwards pivoted position.
6. Arrangement according to any one of claims 2-5, **characterized in** that the net compartment (11) is of a box shaped, tight material, which has a bottom (14) of sieving material that extends out from the net compartment (11) in a pouch-shape.
7. Arrangement according to claim 6, **characterized in** that the bottom of the compartment is funnel-shaped with a detachable collecting cup (16) at the free end.
8. Arrangement according to any one of claims 2-7, **characterized in** that the net compartment (11) is provided with members (12) for attachment to a carrier system, which has remotely operated tripping members for activation of the closing members.